- 40. (New) The DNA sequence of claim 39 wherein said sequence possesses a stop codon upstream from nucleotides encoding amino acid residues 846-870 as shown in figure 7.
- 41. (New) A vector which comprises the DNA sequence of claim 38.
- 42. (New) A vector which comprises the DNA sequence of claim 39.
- 43. (New) A vector which comprises the DNA sequence of claim 40.
- 44. (New) A host cell transformed with the vector of claim 41.
- 45. (New) A host cell transformed with the vector of claim 42.
- 46. (New) A host cell transformed with the vector of claim 43.
- 47. (New) A secreted human thyroid peroxidase produced from the DNA sequence of claim 38.
- 48. (New) A recombinant DNA sequence encoding a human thyroid peroxidase which is secreted from a cell and is recognized by a disease associated antibody.
- 49. (New) The DNA sequence of claim 48 wherein said sequence possesses a stop codon upstream from a transmembrane domain.
- 50. (New) The DNA sequence of claim 49 wherein said sequence possesses a stop codon upstream from nucleotides encoding amino acid residues 846-870 as shown in figure 7.
- 51. (New) A vector which comprises the DNA sequence of claim 48.